

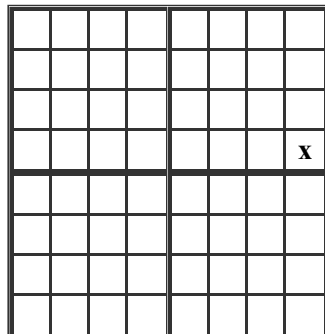


MULTI-PURPOSE WELL COMPLETION & PLUGGING REPORT

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

Legal Location

North



«———— One Mile —————»

Each square is 10-acres

WELL ID NUMBER: 178619

Quarters SE-SE-NE

Section 19

Township 27N

Range 06E

Latitude 36.803822

Longitude -96.689623

Date collected (latitude and longitude), if different from date the well was drilled: 01/25/2017

Method latitude and longitude was collected: GPS - uncorrected data

County Osage

Variance Request No. (if applicable) n/a

WELL OWNER - NAME AND ADDRESS

Well Owner Chaparral Energy, LLC

Phone (405) 478-8770

Address/City/State 701 Cedar Lake blvd. Oklahoma City OK

Zip 73114

Finding Location Shidler, OK

Well Name MW 7H

Water Rights #:

TYPE OF WORK: Monitoring Well

USE OF WELL: Site Assessment

NEW WELL CONSTRUCTION DATA

Date Well or Boring Was Completed 01/25/2017

Number of wells or borings represented by this log 1

* (Borings are within the same 10 acre-tract and with the same general depths and lithologies)

Hole Diameter 7.5 inches to a depth of 252 ft.

CASING INFORMATION *Note: If surface casing is used please indicate that on the appropriate well casing information line.

Surface Pipe Material: Surface Pipe Diameter inches Surface Pipe From ft to ft

1) Well Casing Material PVC Casing Diameter 4 inches Casing From 0 ft to 152 ft

SCREEN OR PERFORATION INFORMATION

Type of Screen: PVC Type of Slots or Openings: Factory Slotted - 20 slot (0.020 inch) From 152 ft to 172 ft.

FILTER PACK INFORMATIONFilter Pack Material: Sand 10-20 (coarse)Filter Pack Interval: From 135 ft to 172**WELL SEAL INFORMATION**Type of Surface Seal Cement GroutSurface Seal Interval: From 0 ft to 2 ftType of Annular Seal Cement GroutAnnular Seal Interval: From 2 ft to 125 ftFilter Pack Seal Material Bentonite PelletsFilter Pack Seal Interval: From 125 ft to 135 ft**TYPE OF COMPLETION:** Above Ground**HYDROLOGIC INFORMATION**Depth to water at time of drilling ftEstimated yield of well gpmFirst water zone 160 ft**LITHOLOGY DESCRIPTION**

MATERIAL	ENCOUNTERED		SATURATED
	FROM (ft.)	TO (ft.)	
Clay	0	10	N
Limestone & Shale	10	252	N

WELL LOCATION TO POTENTIAL SOURCES OF POLLUTIONHas this well been disinfected after completion of work? NoAre there any potential sources of pollution or wastewater lagoons within 300 ft. of the well? n/aDistance of Well is n/a from possible source. Type of possible source: n/a**PLUGGING INFORMATION**Date Well or Boring Was Plugged n/aTotal Depth of well being plugged ft.Was the well contaminated or was it plugged as though it was contaminated? n/aIf the well or boring was plugged as if it was contaminated, was the casing removed or perforated? n/aWas the grout tremied? n/aBackfilled with n/aBackfilled from ft. to ft.Grouted with n/aGrouted from ft. to ft.Grouted with CementGrouted from ft. to ft.Firm Name ASSOCIATED ENVIRONMENTAL INDUSTRIES, CORP.D/PC No. DPC-0269Operator Name BILLY GRAHAMOP No. OP-0957Date 01/31/2017

Comments: Bentonite Chips from 172 ft. to 252 ft.